APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

Chemical Control of Shrubs and Woody Vegetation Along Soil-Improvement Canals, by M. G. Zeland, I. M. Zagorskiy.

RUSSIAN, per, Gid i Meliorutsiya, Vool VIII, No 4, 1956, pp 28-34. CIA 9030445

USDA

Sci - Biol

Jul 58

67,118

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

Chemical Measures for Controlling Brushwood as a Method of Pasture Improvement, by V. P. Bel'kov, M. G. Zeland.

RUSSIAN, sb per, Zemledelie, Vol IV, No 2, Feb 1956, pp 87-90. CIA D 50/627

USDA
35,655

USSR
Soil - Biology

Jun 56 CIS/dex

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

Report on Labor in the USSR (6)
"The Draft Seven-Year Plan for the Development of Vocational Training for Young People in Labor Reserves Training Establishments," by G. Zelenko.

RUSSIAN, per, Professional'no-Tekhnicheskoye Obrazovaniye, No 8, Moscow, 1958, pp 1-6.

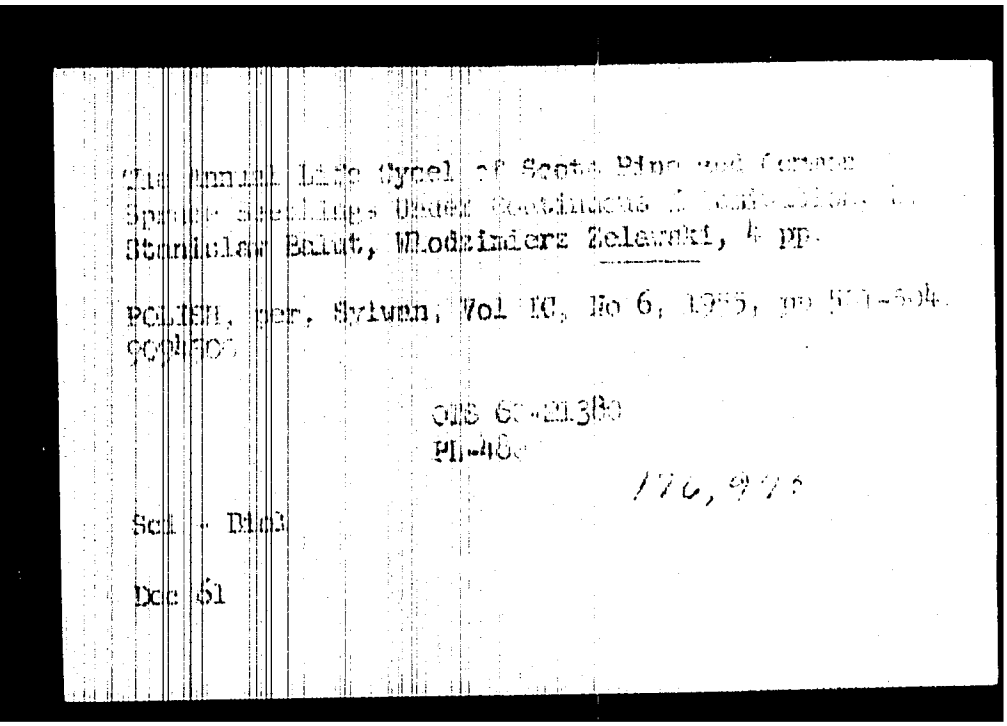
CIA/FTD Num 2028

78,460

USSR
Econ - Vocational Training
Doc 3

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7



The Annual Life Cycle of Scots Pine and Common Spruce Shelter Under Continuous Cultivation in Stanislaw Batut, Wlodzimierz Zelawski, 4 pp.

POLISH, per, Sylwan, Vol 10, No 6, 1955, pp 501-504.
Geophoto

OTS 60-21380
PT-486

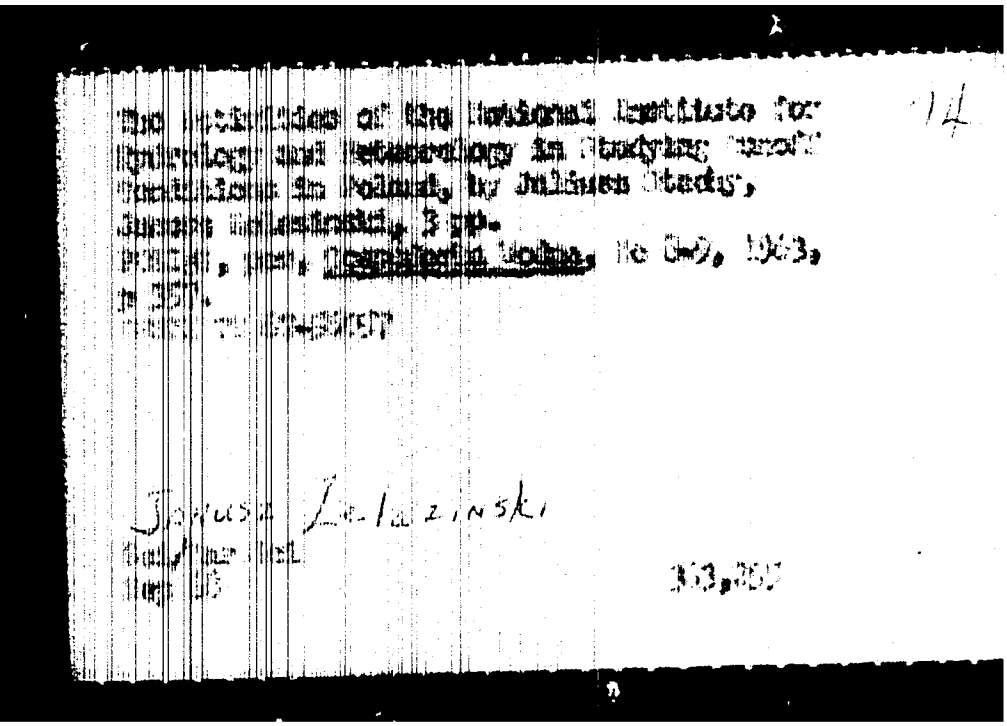
176,977

Sci - Biol

Dec 61

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7



APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

Applied Reactor Theory in the Institute of Nuclear Research, by R. Zelazny, 1[illegible] pp.

POLISH, per, Nukleonika, Vol V, No 7-8, 1960, pp 439-465.

AEC Tr-4162

Sci

Jan 63

220,567

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

Application of the So-Called Dry Tests in Urinalysis in Diagnostic Laboratories and in General Practice, by Jerzy Krawczynski, Maria Zelazowska, 19 p.

POLSKI, par, Polski Tygod Mal, 1958, Vol XIII, No XIV, No 45, pp 1788-1793

SLA 59-20717

Sol
Mar 60
Vol 3, No 1

110 828

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

Metallographic Investigation of the Tempering of Quenched High-Carbon Steel, by A/ P. Gulyayev, M. P. Zel'bet.

RUSSIAN, per, Iz Ak Nauk SSSR, No 3, Mar 1954, pp 83-87.

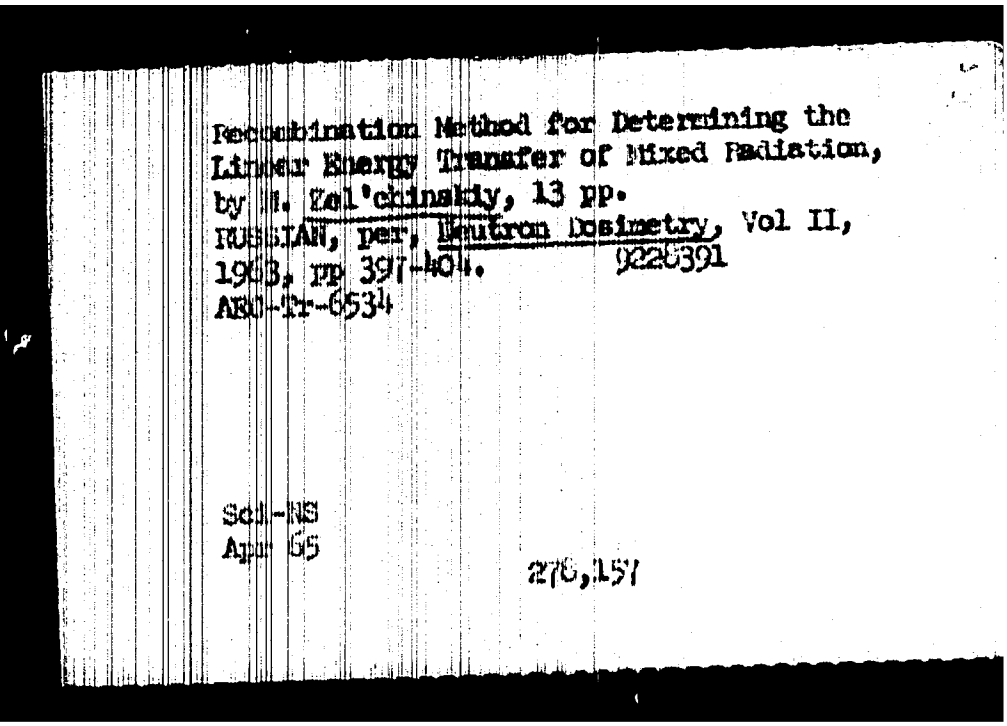
23,147

Brutcher Tr No 3390
$2.60

Scientific - Min/Metals

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7



Recombination Method for Determining the
Linear Energy Transfer of Mixed Radiation,
by M. Zel'chinskiy, 13 pp.
RUSSIAN, per, Neutron Dosimetry, Vol II,
1963, pp 397-404. 9228391
AEC-Tr-6534

Sci-NS
Apr 65

276,157

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

(NY-10)

The Substitution of Polygonal Calculations for Triangulation in Mapping TechniqueXXs, by Gena XXXXX Zelcsenyi, 95 pp.

HUNGARIAN, per, XXXXXX Geodezia es Kartografia, No 1, 1961, pp 1-35.

JPRS 13217

Sci - Phys

190,676

Apr 62

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

Corrected Tables for the Articles by A. L. Rotinyan, V. Ya. Zeldes, 1 p.

RUSSIAN, no per, Zhur Prik Khim, Vol XXIV, No 6, USSR, June 1951, p 680.

Consultants Bureau Vol 24, June 1951

USSR
Scientific - Chemistry

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

Production of Sulfite Pulp for Viscose, by
S. L. Talmud, A. E. Zel'dina, R. I. Gurevich, 7 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XXXIII, No 9,
1960, pp 2112-2117.

CB

Sci

169.211

Sep 61

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

A Spectrophotometric Study of Four Bright Prominences, by N. A. Yakovkin, M. Yu. Zel'dina, 6 pp.

RUSSIAN, per, Astron Zhur, Vol XL, No 5, 1963. pp 847-854.

Amer Inst of Phys
Sov Astron - AJ
Vol VII, No 5

Sci
Apr 64

254,488

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

(SF-1879)

Several Problems of the Technology of the Catalytic Production of Liquid Parahydrogen, by R. A. Buyanov, A. G. Zel'dovich, Yu. K. Pilipenko, 10 pp.

RUSSIAN, per., Khim Prom, No 2, 1961, pp 31-34.

JPRS 10385

Sci - Chem

174,039

Nov 61.

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

Method for the Liquefaction of Hydrogen and the Catalytic o-p-Conversion of Hydrogen, by Yu. K. Pipipenko, A. G. Zel'dovich.

RUSSIAN patent, No 132198, application #642632/23, 28 Apr 60, 2 pp.

FTD-TT-61-486

Sci-Chem
Jan 63

218,XX700

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

Some Problems of the Technology of Catalytic Production of Liquid Para-Hydrogen, by R. A. Buyanov, A. G. Zel'dovich, Yu. K. Filipenko, 12 pp.

RUSSIAN, per, Khim Prom, No 2, 195 No 2, 1961, pp 103-108. 9673086

FTD-TT-61-192

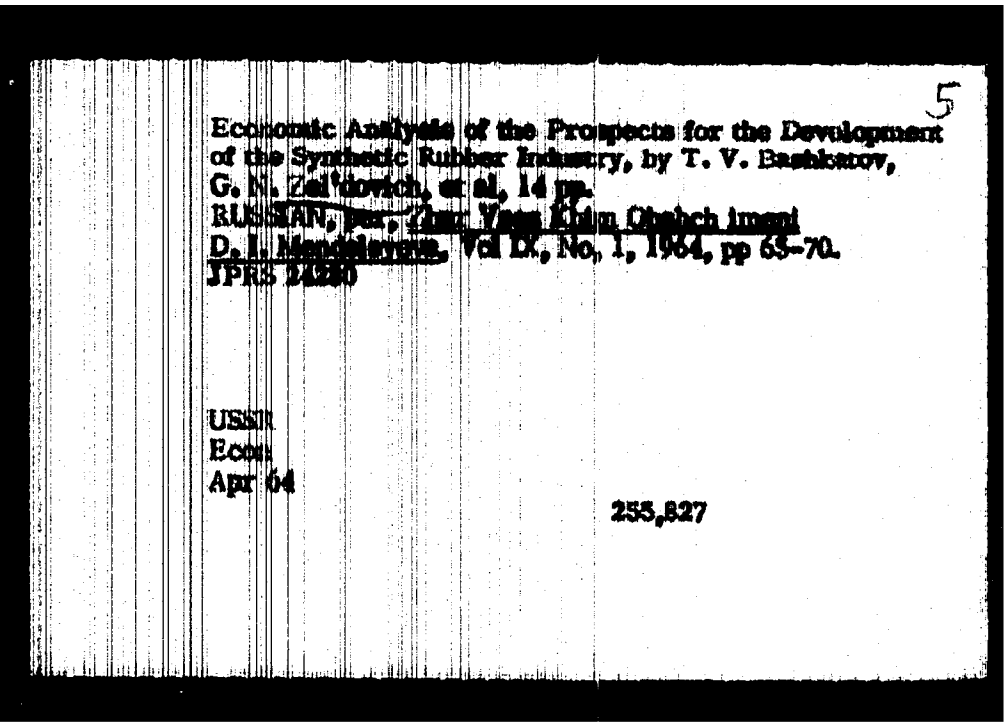
Sci - Chem

15 Feb 62

182,599

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7



5

Economic Analysis of the Prospects for the Development of the Synthetic Rubber Industry, by T. V. Bashkatov, G. N. Zaydovich, et al, 14 pp.
RUSSIAN, Ser. Tekh. Ekon. Inform Gosplan Izuani D. I. Mendeleyevym, Vol IX, No, 1, 1964, pp 65-70.
JPRS 24880

USSR
Econ
Apr 64

253,827

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

Instrument for Measuring the Azimuthal Symmetry of the Fields of Strong Electromagnets, by M. P. Zel'dovich, S. M. Rubchinskiy, 3 pp.

RUSSIAN, per, Pribory i Tekh Eksper, No 1, 1959, pp 56-56.

Instrum Soc of Amer

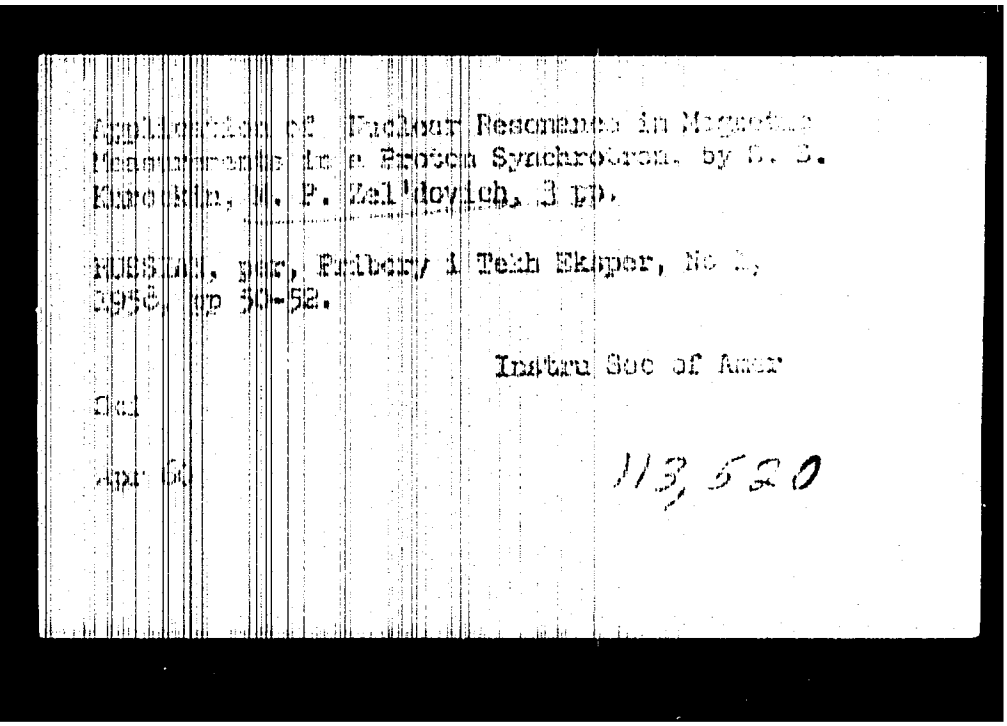
Sci

Apr 60

113, 522

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7



Application of Nuclear Resonances in Magnetic Measurements in a Proton Synchrotron. by G. S. Khorokhin, M. P. Zel'dovich. 3 pp.

RUSSIAN, ppc, Pribory i Tekh Eksper, No 1, 1958 pp 50-52.

Instru Soc of Amer

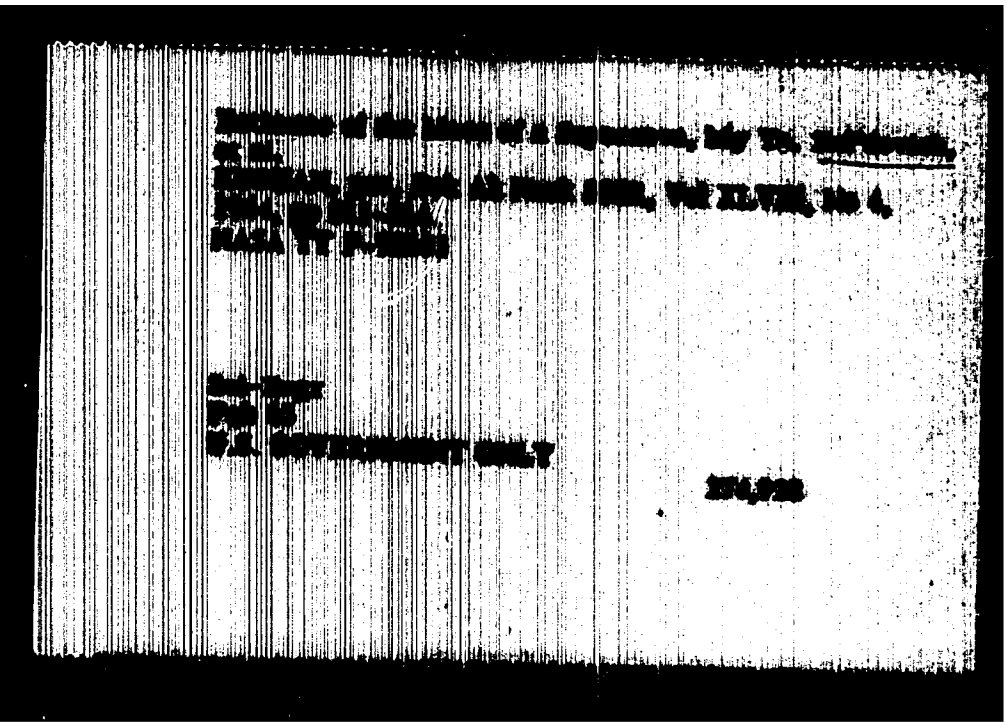
Del

Apr 60

113,520

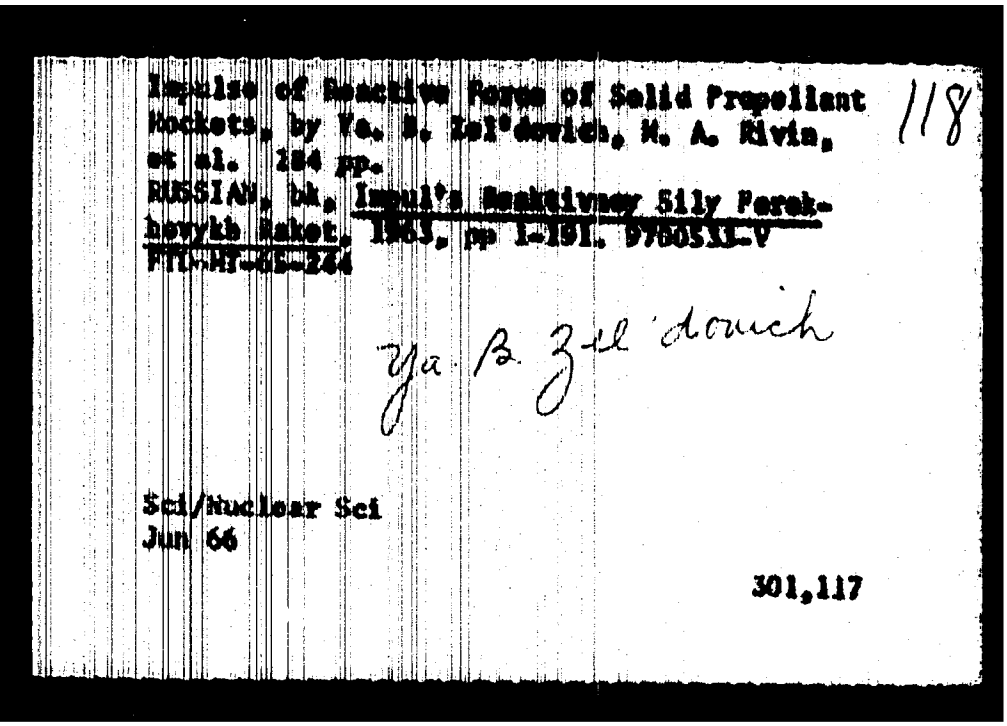
APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7



APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7



Impulse of Reactive Forces of Solid Propellant Rockets, by Ya. B. Zel'dovich, M. A. Rivin, et al. 184 pp. 118

RUSSIAN, bk. Impul's Reaktivnoy Sily Porokhovykh Raket, 1963, pp 1-191. 9760531-V
FTD-HT-65-264

Ya. B. Zel'dovich

Sci/Nuclear Sci
Jun 66

301,117

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

Neutrino Luminosity of a Star in Gravitational Collapse in the General Theory of Relativity, by Ya. B. Zel'dovich, M. A. Podurets, 5 pp.

RUSSIAN, per, Dok Ak Nauk Physics Sections, Vol CLVI, No 1, May 1964, pp 57-60.

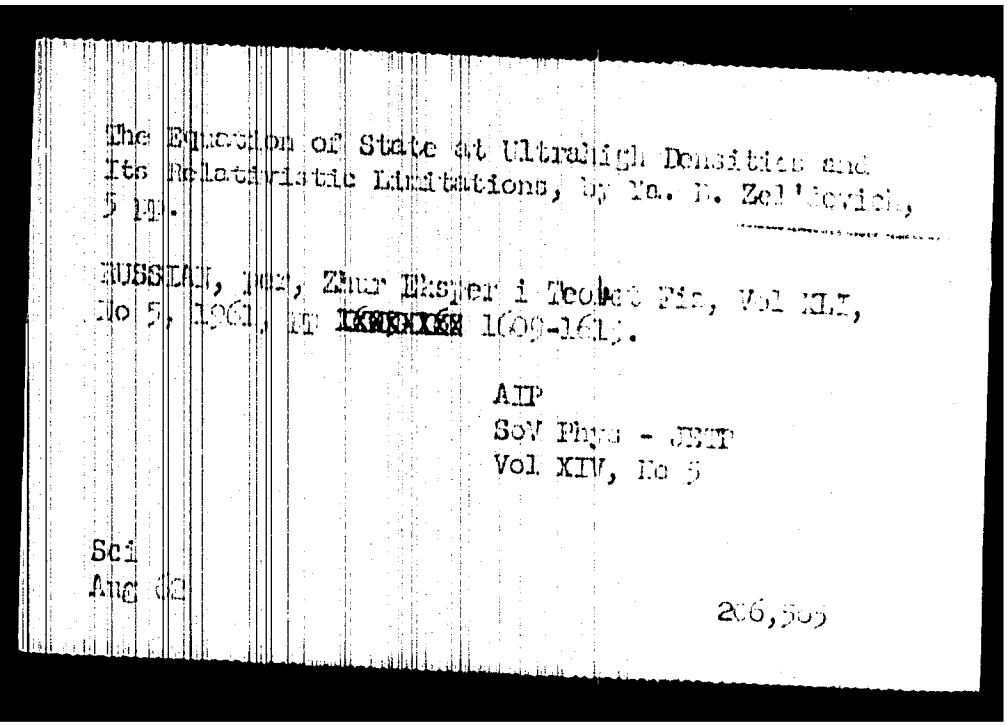
Amer Inst of Phys
Doklady Sov Phys
Vol IX, No 5

Sci
Jan 65

270,879

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7



The Equation of State at Ultrahigh Densities and Its Relativistic Limitations, by Ya. B. Zel'dovich, 5 pp.

RUSSIAN, [illegible], Zhur Eksper i Teoret Fiz, Vol XLI, No 5, 1961, pp 1609-1615.

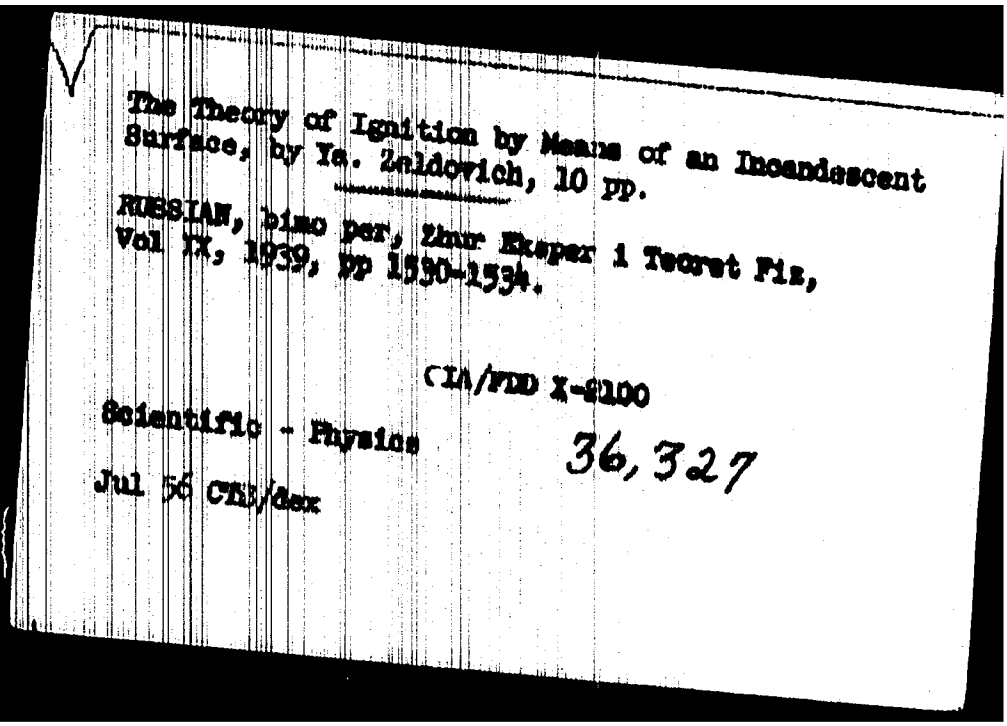
AIP
SoV Phys - JETP
Vol XIV, No 5

Sci
Aug 62

206,509

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7



The Theory of Ignition by Means of an Incandescent Surface, by Ya. Zeldovich, 10 pp.

RUSSIAN, Pismo per, Zhur Eksper i Teoret Fiz, Vol IX, 1939, pp 1530-1534.

CIA/FTD X-2100

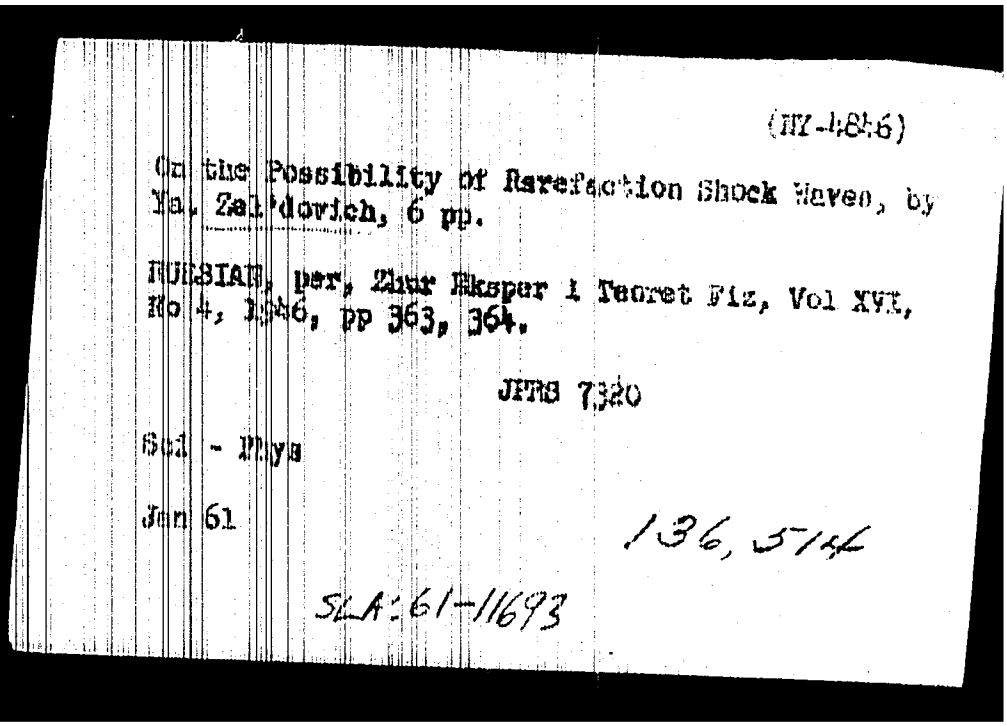
Scientific - Physics

36,327

Jul 56 CTH/dex

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7



(NY-4846)

On the Possibility of Rarefaction Shock Waves, by Ya. Zel'dovich, 6 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XVI, No 4, 1946, pp 363, 364.

JPRS 7320

Sci - Phys

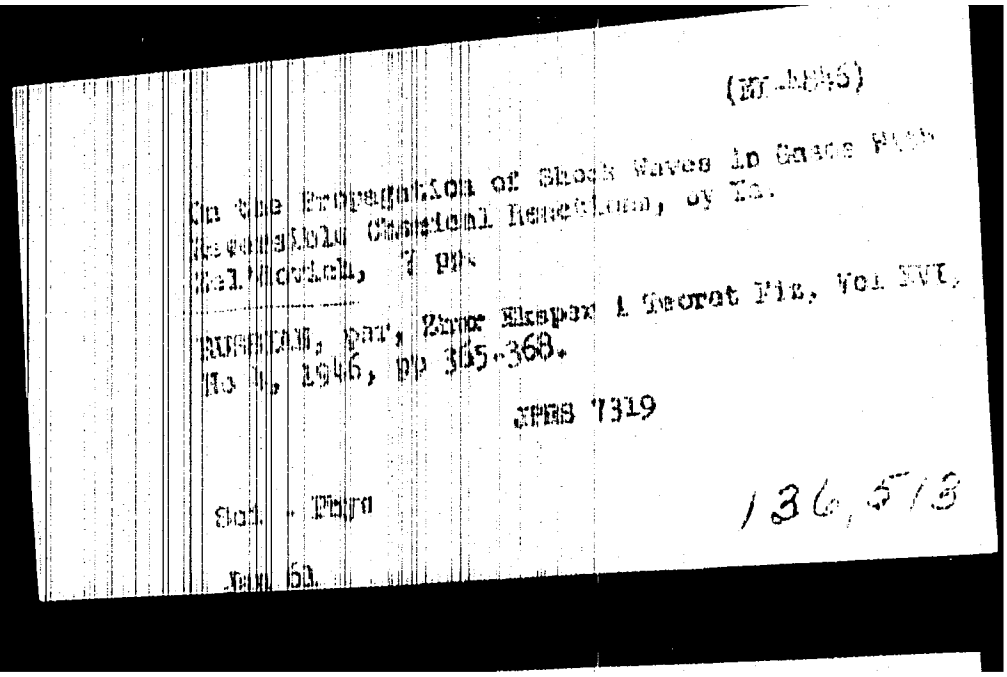
Jan 61

136, 374

SLA-61-11693

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7



(RT-1046)

On the Propagation of Short Waves in Space Having Spherical Symmetrical Dielectric Constant, by Ya. [illegible]

[illegible], 7 pps

[illegible], Zhur Eksper i Teoret Fiz, Vol XVI, No 4, 1946, pp 365-368.

SPRS 7319

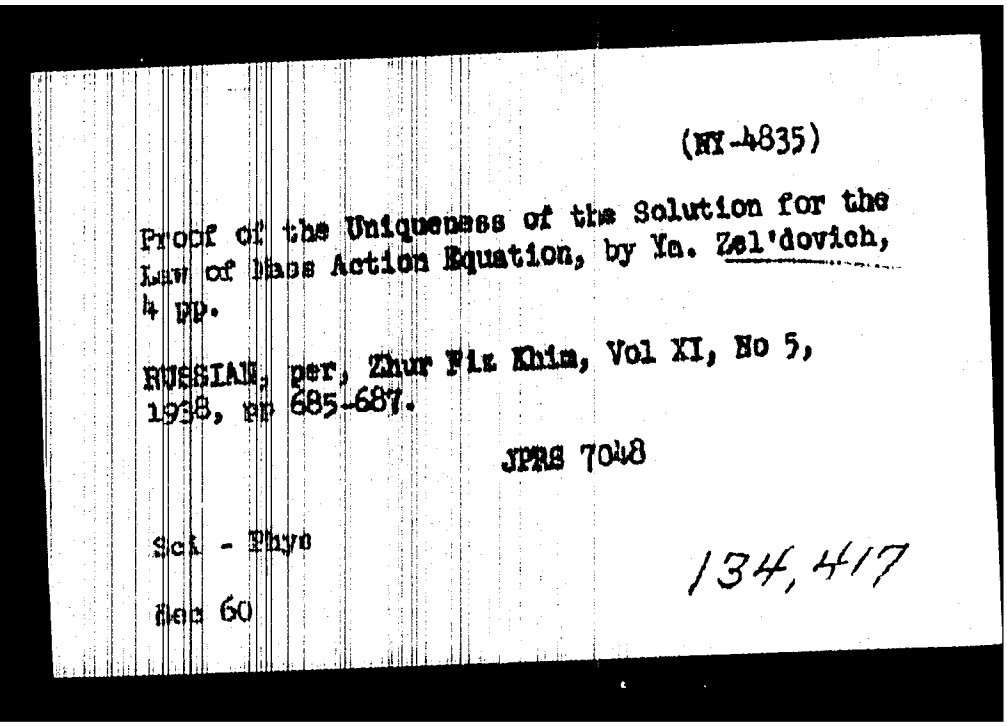
136,573

Short Paper

Jan 60

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7



(NY-4835)

Proof of the Uniqueness of the Solution for the Law of Mass Action Equation, by Ya. Zel'dovich, 4 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XI, No 5, 1938, pp 685-687.

JPRS 7048

Sci - Phys

Dec 60

134,417

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

Concerning The Stability of the Burning Regime of a Powder in a Semiclosed Space by Ya. B. Zel'dovich, 23 pp.

RUSSIAN, per, Zhur Prik Mekhan i Tekhnich Fiz, No 1, 1963, pp 67-76. 9687640

FTD-TT-63-572

Sci-Phys
Nov 63

241,455

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

Zel'dovich, Ya. B. and Kompaneets, A. S.
TOWARD A THEORY OF HEAT DISTRIBUTION WITH HEAT CONDUCTIVITY DEPENDING ON TEMPERATURE. [1962] 17p.
Order from CTS or SLA $1.60 62-16195

Trans. of mono. [Akademik Abram Fedorovich Ioffe k Semidesyatiletiyu so dnya Rozhdeniya, Moscow] 1950, p. 61-71.

DESCRIPTORS: *Heat, Distribution, *Thermal conductivity, Heat tolerance, Temperature, Theory, Mathematical analysis, Partial differential equations, Stars, Theory.

(Physics--Thermodynamics, TT, v. 8, no. 7)

62-16195

I. Zel'dovich, Ya. B.
II. Kompaneets, A. S.
III. Ioffe, A. F.

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Office of Technical Services

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

The Theory of Detonation in Gases, by Ya. B. Zeldovich, 24 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XVII, No 1, 1947, pp 3-26.

TIL/T5144

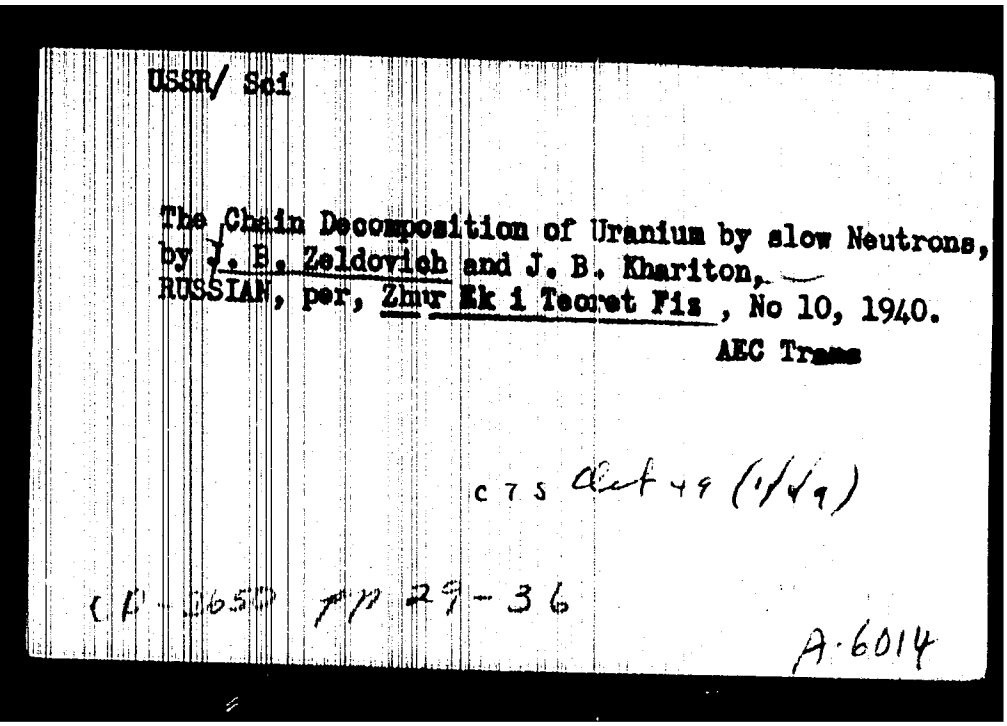
Sci - Fuels

Nov 62

217,627

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7



USSR/ Sci

The Chain Decomposition of Uranium by slow Neutrons,
by Y. B. Zeldovich and J. B. Khariton,
RUSSIAN, per, Zhur Ek i Teoret Fiz , No 10, 1940.
AEC Trans

C T S Oct 49 (1/49)

(D-2650) PP 29-36

A-6014

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

ZELDOVICH, Ya. B., and KHARITON, J. B.

Kinetics of Chain Decomposition of Uranium

Zhur Eks i Teoret Fiz, Vol 10, 1940

RUSSIAN

AEC Tr

CTS Oct 1949 (1/49)

A-3108

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

Oxidation of Nitrogen in Combustion and Explosion
by Y. B. Zeldovich, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LI, No 2,
1946.

Available
in English
at LC

Sc1

Aug 60

121.716

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

Ther Thermal Explosion of Nitrous Oxide, by
Y. B. Zeldovich, B. I. Yacovlev, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XIX, No),
1938.

Available
in English
at LC

Scl

Aug 60

121,719

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

Detonation of Gaseous Mixtures, by S. M. Kogarko, Y. B. Zel'dovich, 9 pp.

RUSSIAN, per, Doklady Akad. Nauk SSSR, Vol 63, No 5, 1948, pp 553-556.

SIA TR R-1175

Sci

65,787

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

Reactions Induced by μ Mesons in Hydrogen,
by Y. B. Zel'dovich, 10 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol XCV, 1954, pp 493-.

CIA/FDD X-2719

58,567

Sci - Nuclear Physics
Feb 58

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

Concerning Possible Effective Catalysis by Mesons of Nuclear Reactions, by Y. B. Zel'dovich, 5 pp.

RUSSIAN, rpt.

CIA/FDD X-2718

58,568

Nuclear
Sci. - Physics
Feb 58

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

178/60 (SF-1042)

The Relationship Between the Liquid and Gaseous States in Metals, by Ya. Zel'dovich, L. Landau, 5 pp.

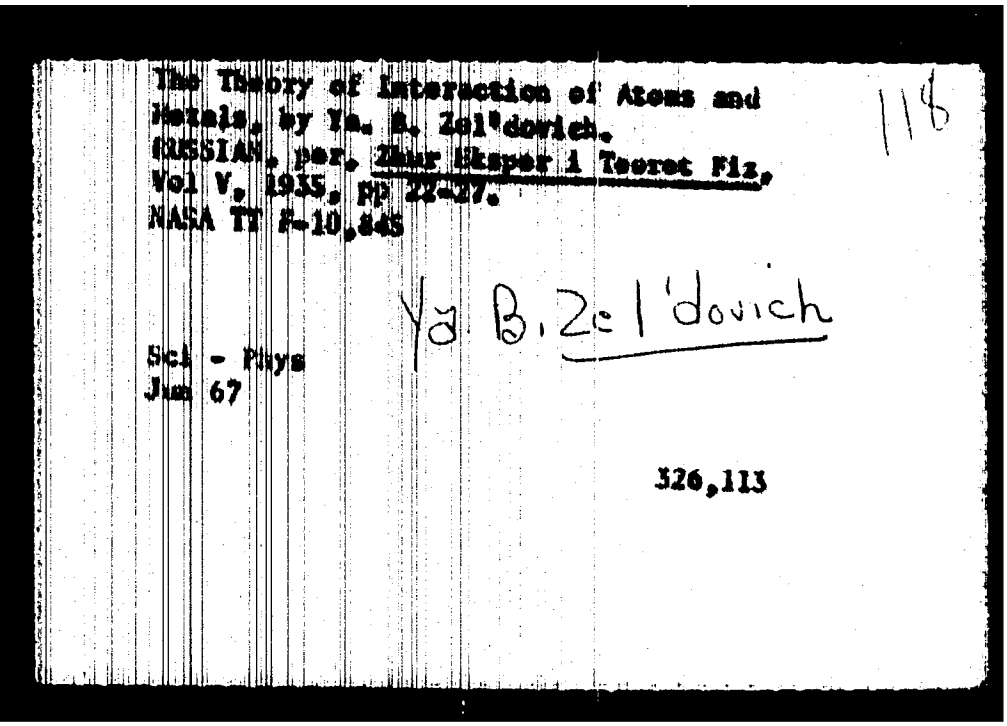
RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XIV, No 1/2, 1944, pp 32-34.

JPRS 4058

158, 446

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7



The Theory of Interaction of Atoms and Metals, by Ya. B. Zel'dovich.
RUSSIAN, per. Zhur Eksper i Teoret Fiz, Vol V, 1935, PP 22-27.
NASA TT F-10,845

118

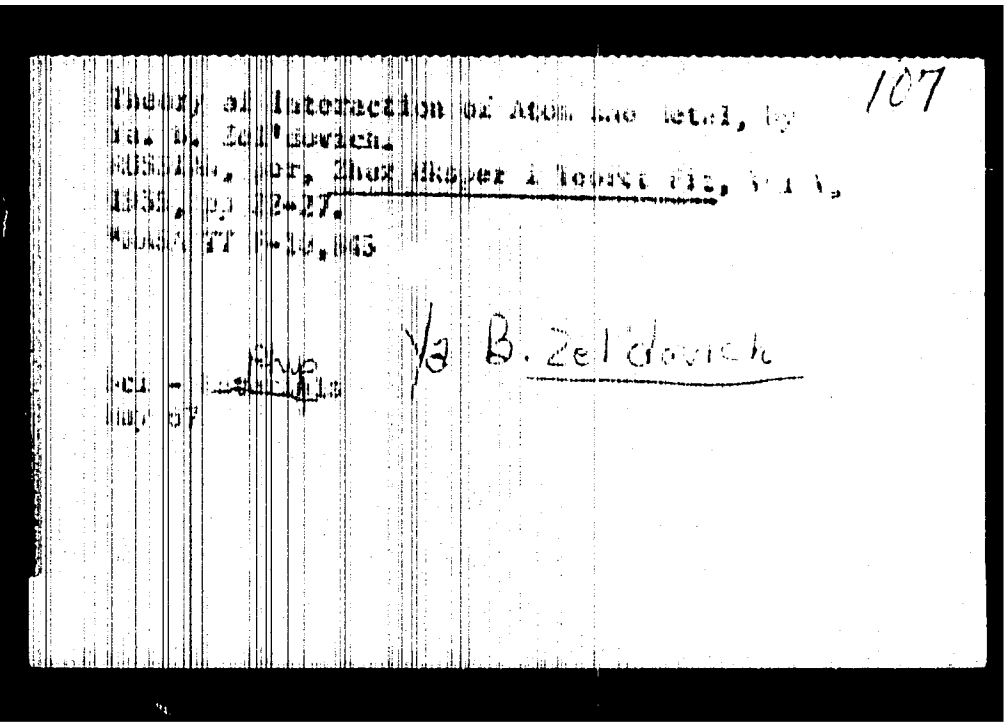
Ya B. Zel'dovich

Sci - Phys
Jun 67

326,113

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7



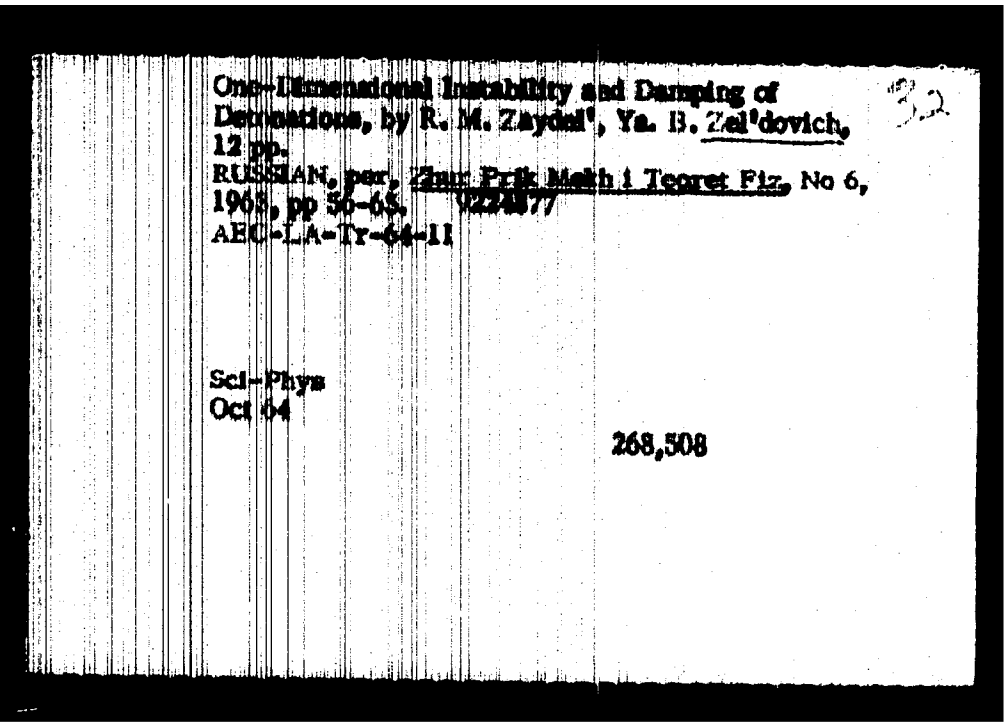
107

Theory of Interaction of Atom Nuclei, by
Ya. B. Zel'dovich.
[illegible], Zhur. Eksper. i Teoret. Fiz., Vol. 9,
1939, pp. 1227-37.
[illegible] 11, 1945

Ya B. Zeldovich

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7



One-Dimensional Instability and Damping of Detonations, by R. M. Zaydel', Ya. B. Zel'dovich, 12 pp.
RUSSIAN, per, Zhur Prik Mekh i Teoret Fiz, No 6, 1965, pp 56-65. 022877
AEC-LA-Tr-64-11

Sci-Phys
Oct 64

268,508

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

Chain Reactions in a Burning Flame -- Approximate Theory of Flame Velocity, by Ya. B. Zel'dovich, 14 pp.

RUSSIAN, Per, Kinetika i Kataliz, Vol II, No 3, 1961, pp 305-318.

CB

Sci

201,779

Jun 62

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

On an Upper Limit on the Density of Neutrinos, Gravitons, and Baryons in the Universe, by Ya. B. Zel'dovich, Ya. A. Smorodinskiy, 4 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XLI, No3, 1961, pp 907-911.

AIP
Sov Phys - JETP
Vol XIV, No 3

201,713

Sci

Jun 62

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

A Study of the Optical Properties of Transparent Materials Under High Pressure, by XxxA Ya. B. Zel'dovich, S. B. Kormer, M. V. Sinitsyn, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII, No 6, 1961, pp 1333-1336.

AIP
Sov Phys - Dok
Vol VI, No 6

900
182, 678

Sci

Jan 62

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

The Quasi-periodical Formation of Precipitates Occurring When Two Substances Diffuse Into Each Other (Liesegang's Rings), by Ya. B. Zel'dovich, G. I. Barenblatt, R. L. Salganik, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 6, 1961, pp 1281-1284.

AIP
Sov Phys - Dok
Vol VI, No 10

190,817

Sci

Apr 62

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

Zeldovich, [Ya. B.] and Semenov, N. N.
KINETICS OF CHEMICAL REACTIONS IN FLAMES: THE THEORY OF FLAME PROPAGATION. I. [AND] RATIONAL FORMULAE FOR THE DEPENDENCE OF THE FLAME VELOCITY ON THE PARAMETERS. II (Kinetika Khimicheskikh Reaktsii v Plamenakh).
Aug 47 [3] p. 38 refs. BISI-318; [DSIR LLU] M.2773.
Order from OTS or SLA $8.60 61-23306

Trans. of [Zhurnal Eksperimental'noi i Teoreticheskoi Fiziki] (USSR) 1940 [v. 10] no. 9/10, p. 1116-1136.
Another translation of pt. I is available from SLA as RT-402.

DESCRIPTORS: *Reaction kinetics, Chemical reactions, Flames, *Flame propagation, Propagation, Mathematical analysis.

A theory of flame propagation is developed and the behaviour of the chain processes taking place in the flames is investigated. The basis of the method of
(Chemistry--Physical, TT, v. 6, no. 6) (over)

61-23306

I. Zeldovich, Ya. B.
II. Semenov, N. N.
III. Title: Theory ...
IV. Title: Rational ...
V. BISI-318
VI. DSIR LLU M.2773
VII. British Iron and Steel Industry Translation Service

Office of Technical Services

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

The Maximum Charge for Given Mass of a Bound State, by V. N. Gribov, Ya. B. Zel'dovich, A. M. Perelomov, 8 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XL, No 4, 1961, pp 1190-1198.

AIP
Sov Phys - JETP
Vol XIII, No 4

169,504

Sci

Sep 61

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

Unstable Particle in the Lee Model, by Ya. B. Zel'dovich, 3 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XL, No 4, 1961, pp 1155-1159.

AIP
Sov Phys - JETP
Vol XIII, No 4

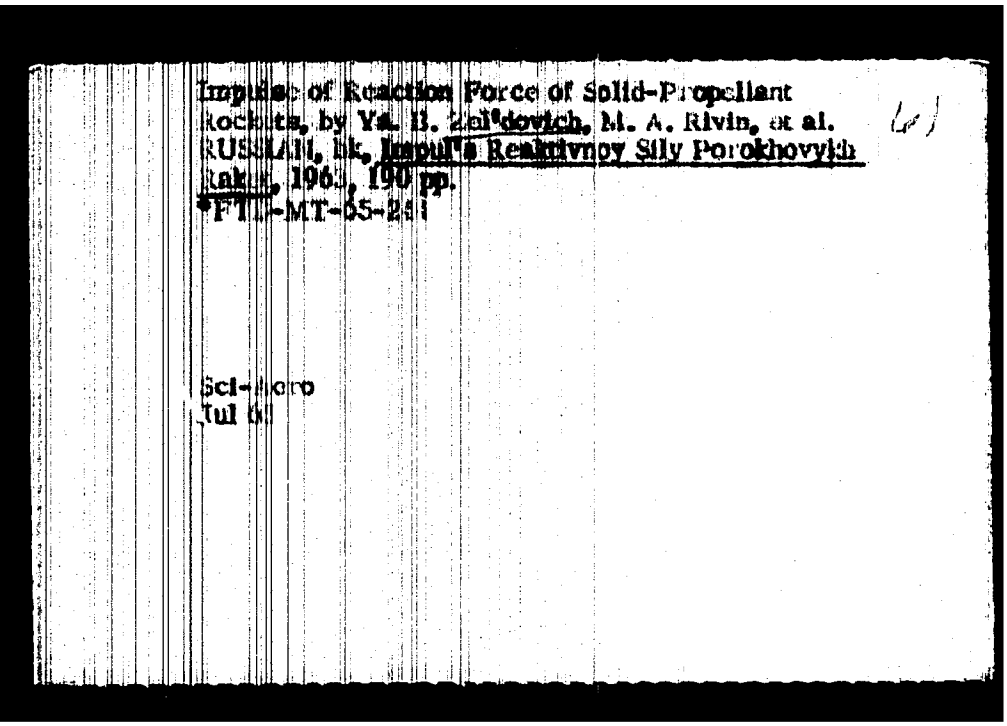
169, 498

Sci

Sep 61

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7



Impulse of Reaction Force of Solid-Propellant Rockets, by Ya. B. Zel'dovich, M. A. Rivin, et al. RUSSIAN, bk, Impul's Reaktivnoy Sily Porokhovykh Raket, 1963, 190 pp. FTD-MT-65-211

Sci-Tech
Jul 65

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

On the Theory of Fermion Masses, by, Ya. B. Zel'dovich, [pp 3]

RUSSIAN, per, Zhur EKsper i Teoret Fiz, Vol XL, No 2, 1961, pp, 638-640

AIP
SOV Phys-JETP
VOL XIII, No 2

167, 546

Sci
Aug 61

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

(NY-4828)

Mathematical Formulation of the Theory of Periodic Precipitation, by Ya. B. Zel'dovich, O. M. Todes, 18 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXIII, No 2, 1949, pp 180-191.

JPRS 7:61

Sci - Phys

SLA-61-1141 136,521

Jan 61

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

On the Burning Velocity of Powder Under Variable Pressure, by Ya. B. Zel'dovich, RUSSIAN, per. Zhurnal Prikladnoi Matematika i Tekhnicheskoi Fiziki, N o 1, 1964, pp 126-138. Dept of Navy/APL JHU T-2022

65

Ya. B. Zel'dovich

Sci-Phys
Aug67

335,456

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

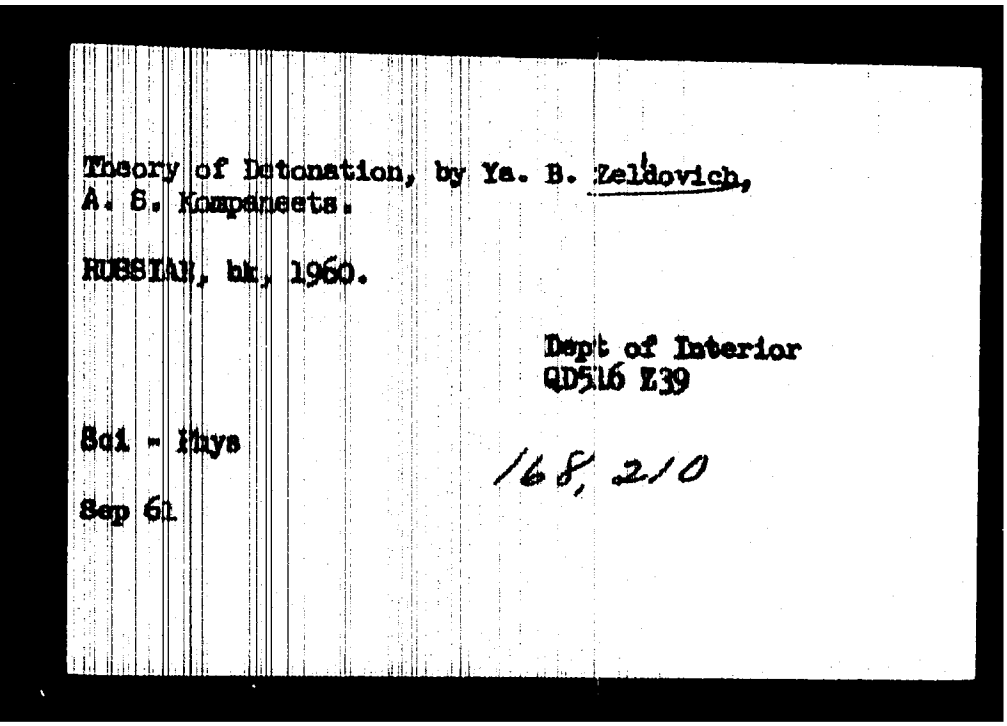
APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

Theory of Shock Waves, and Introduction to Gas Dynamics, by Ya. B. Zel'dovich.
RUSSIAN,
*FTD-MT-64-521

Nov 64

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7



Theory of Detonation, by Ya. B. Zeldovich, A. S. Kompaneets.

RUSSIAN, bk, 1960.

Dept of Interior
QD516 Z39

Sci - Phys

168, 210

Sep 61

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

(NY-4828)

Spatial Distribution of Precipitates on Crystallization of Mutually Diffusing Substances, by P. B. Afanas'yev, Ya. B. Zel'dovich, O. M. Todes, 33 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXIII, No 2, 1949, pp 156-179.

JPRS 7250

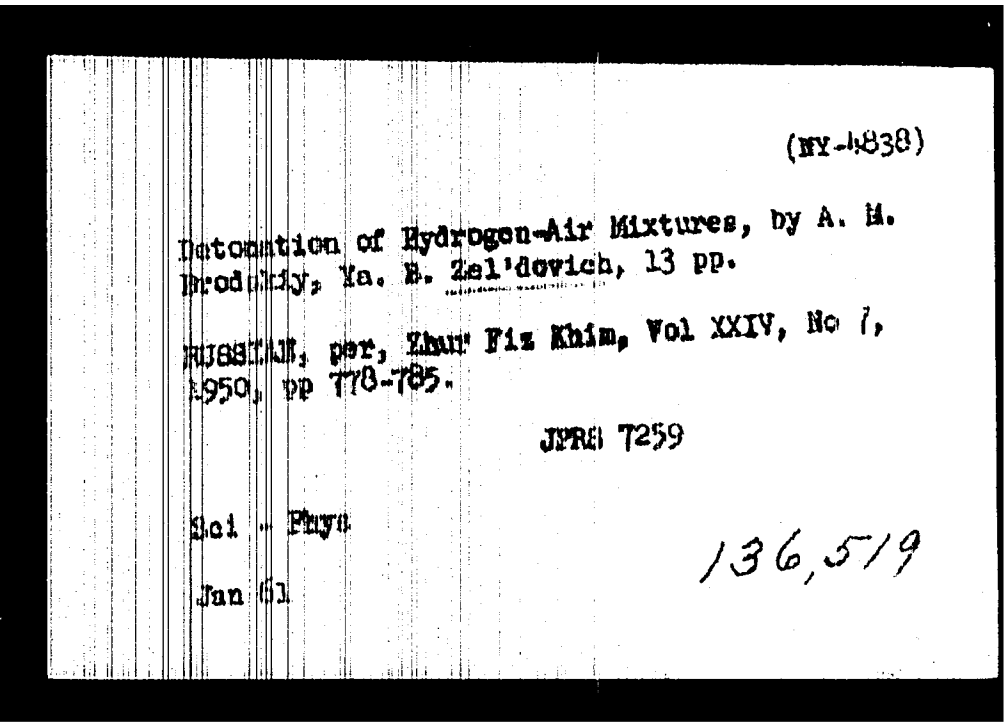
Sci - Phys

136,520

Jan 61

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7



(NY-4838)

Detonation of Hydrogen-Air Mixtures, by A. M. Brodskiy, Ya. B. Zel'dovich, 13 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXIV, No 7, 1950, pp 778-785.

JPRS 7259

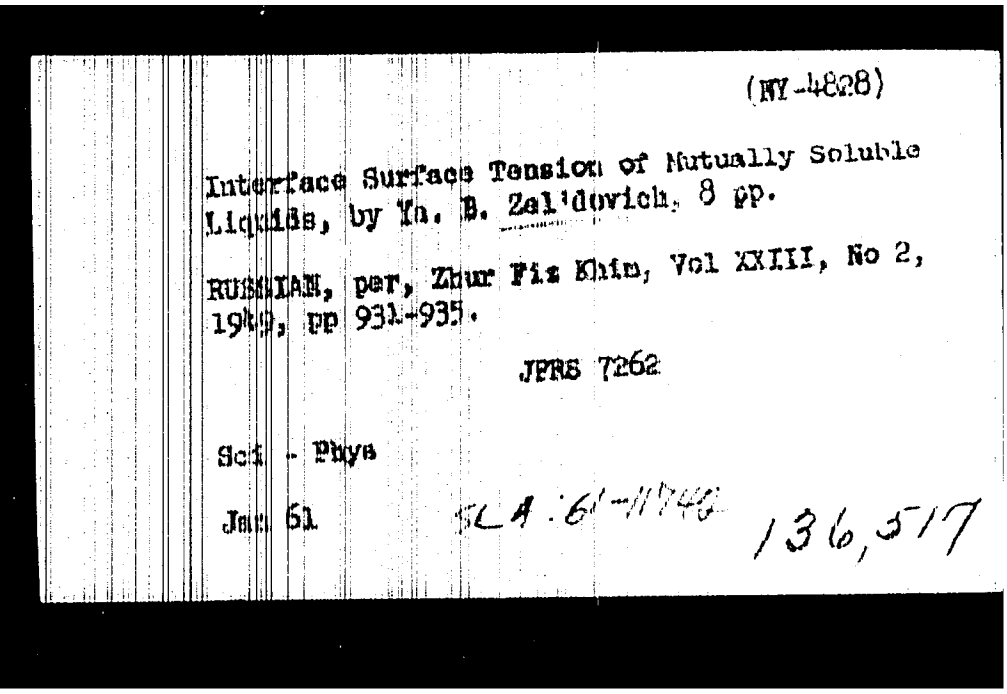
Sci - Phys

Jan 61

136,519

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7



(NY-4828)

Interface Surface Tension of Mutually Soluble Liquids, by Ya. B. Zel'dovich, 8 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXIII, No 2, 1949, pp 931-935.

JPRS 7262

Sci - Phys

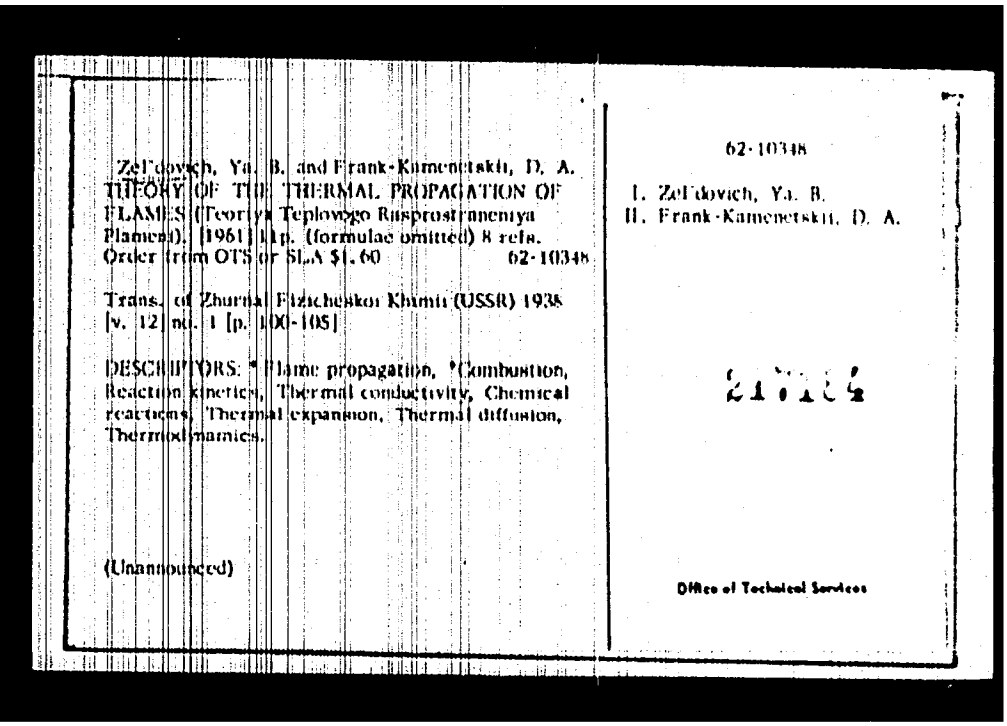
Jan 61

SLA 61-11748

136,517

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7



Zel'dovich, Ya. B. and Frank-Kamenetskii, D. A.
THEORY OF THE THERMAL PROPAGATION OF FLAMES (Teoriya Teplovogo Rasprostraneniya Plameni). [1961] 11p. (formulae omitted) 8 refs.
Order from OTS or SLA $1.60 62-10348

Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1938 [v. 12] no. 1 [p. 100-105]

DESCRIPTORS: *Flame propagation, *Combustion, Reaction kinetics, Thermal conductivity, Chemical reactions, Thermal expansion, Thermal diffusion, Thermodynamics.

(Unannounced)

62-10348

I. Zel'dovich, Ya. B.
II. Frank-Kamenetskii, D. A.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

(NY-4827)

Limiting Principles of Freely-Rising Convective Streams, by Ya. B. Zel'dovich, 6 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol VII, No 12, 1937, pp 1463-1465.

JPRS 7217

135,835

Sci - Phys

Dec 60

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

Nuclear Reactions in Cold Hydrogen. I. Mesonic Catalysis, by Ya. B. Zel'dovich, S. S. Gershtein, 31 pp.

RUSSIAN, per, Uspekh Fiz Nauk, Vol LXXI, 1960, pp 581-630.

ATP
Soviet Phys - Uspekh
Vol III, No 4

Sci - Phys

Apr 61

147,171
AJ

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

(NY-4822)

One Property of Contacts, by Ya. B. Zel'dovich, Yu. B. Kharitom, 5 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol X, No 12, 1940, pp 1422, 1423.

JPRS 5511

Sci - Phys

Dec 60

134,426

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

Symmetric Composite Model of Strongly Interacting Elementary Particles, by Ya. B. Zel'dovich, 4 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XL, No 1, 1961, pp 319-323.

AIP
Sov Phys - JETP
Vol XIII, No 1

167,203

301
Aug 61

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

(NY-4822)

The Kinetics of Formation of Two-Phase Systems Near the Critical Point, by Ya. B. Zel'dovich, O. M. Todes, 12 pp.

RUSSIAN, pur, Zhur Eksper i Teoret Fiz, Vol X, No 12, 1940, pp 1441-1445.

JPRS 5510

Sci - Phys

Dec 60

134,427

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

(NY-4822)

Application of Propagation Theory of an Arbitrary Discontinuity to Certain Cases of Gas Ignition, by Ya. B. Zel'dovich, K. I. Shchelkin, 17 pp.

RUSSIAN, Zhur Eksper i Teoret Fiz, Vol X, No 5, 1940, pp 569-575.

JPRS 5508

Sci - Phys

Dec 60

134,419

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

(MY-4833)

Theory of Formation of a New Phase - Cavitation, by Ya. B. Zel'dovich, 41 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fis, Vol XII, No 11/12, 1942, pp 525-538.

JPRS 7366

Sci - Phys

Feb 61

138,685

SLA: 61-1777

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

(NY-4822)

Theory of Nuclear Breakup, by Ya. B. Zel'dovich, M Yu. A. Gyaln, 11 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol X, No 8, 1940, pp 831-834.

JPRS 5509

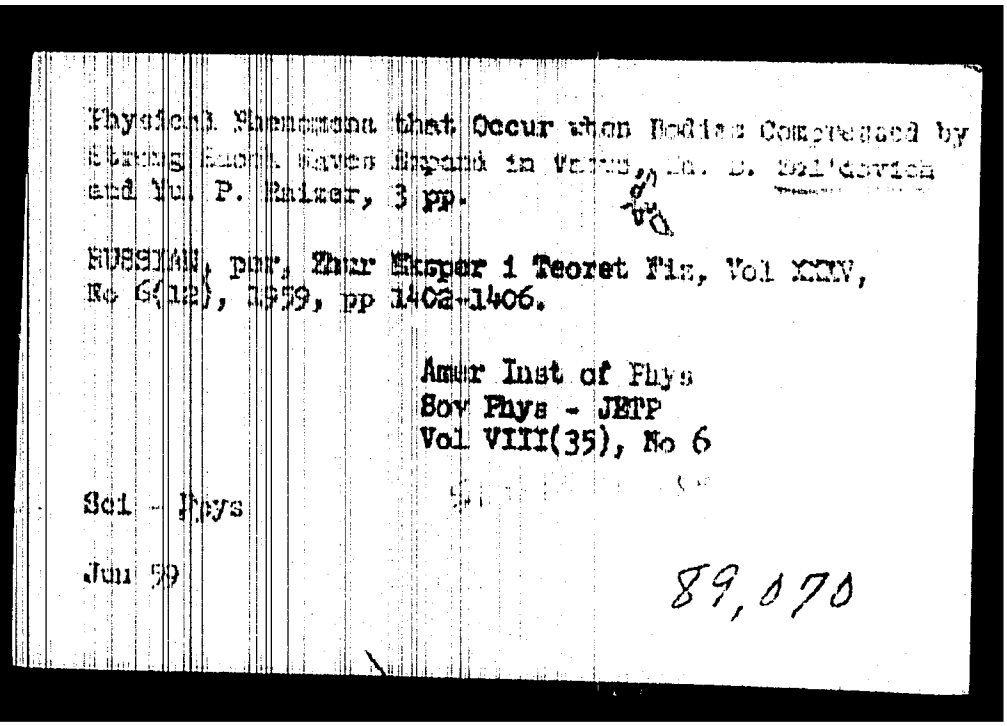
Sci - Nu Phys

Dec 60

134,420

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7



Physical Phenomena that Occur when Bodies Compressed by Strong Shock Waves Expand in Vacuo, L. D. Gol'dovich and Yu. P. Raizer, 3 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXXV, No 6(12), 1959, pp 1402-1406.

Amer Inst of Phys
Sov Phys - JETP
Vol VIII(35), No 6

Sol - Phys

Jun 59

89,070

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

(NY-4833)

Combustion Theory of Gun Powder and Explosives, by Ya. B. Zel'dovich, 46 pp.

RUSSIAN, per. Zhur Eksper i Teoret Fiz, No 11/12, 1942, pp 498-524.

JPRS 7436

Sci - Chem

Jan 61

138,720

SLA 61-11779

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

Sci/Chem C

Theory of the Spark Ignition of Gaseous Explosive Mixtures
by Ya. B. Zel'dovich, N. N. Simonov.

RUSSIAN, mo per, Zhur Fiz Khim, Vol XXIII, 1949, pp 1361-1384. C-AA 45a 3-8

AEC Tr 368
FTS RT-32

Feb cts
Part of proj L-366 (J-93k)
which was collated report.
Should this be listed in
the Feb [illegible]?

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

S-176/60 (NY-4032)

Formation of a Supercompressed Detonation Wave a Narrowing Tube, by B. V. Ayvazov, Ya. B. Zel'dovich, 27 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XVII No 10, 1947, pp 889-900.

JPRS 5735

Sci - Phys

Oct 60

128,455

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

Theory of Combustion and Detonation of Gases, by Ya. B. Zel'dovich, 69.

RUSSIAN, bk, Teoriya Goreniya i Detonatsii Gazov, Moscow, 1944.

AEC Tr 1180
RT-2892
also Brookhaven Nat'l Lab
Air Materiel Command/OT/6.

Sci - Chem

Apr 52 A1340

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

Diffusive-Thermal Stability of Laminar Flame
by G. I. Barenblatt, and Ya. B. Zel'dovich,
17 pp.

RUSSIAN, per, Zhur Prik Mekh I Tekh, No 4,
July-August 1962, pp 21-26. 9688775

FTD-TT-63-87

Sci-Phys
Nov 63

242,286

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

Problems of Present-Day Physics and Astronomy, by Ya. B. Zel'dovich, p 20

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXXVIII, No 3-4, 1962, pp 549 - 578

Amer Inst of Phys
Sov Phys - Uspekhi
Vol V, No 6

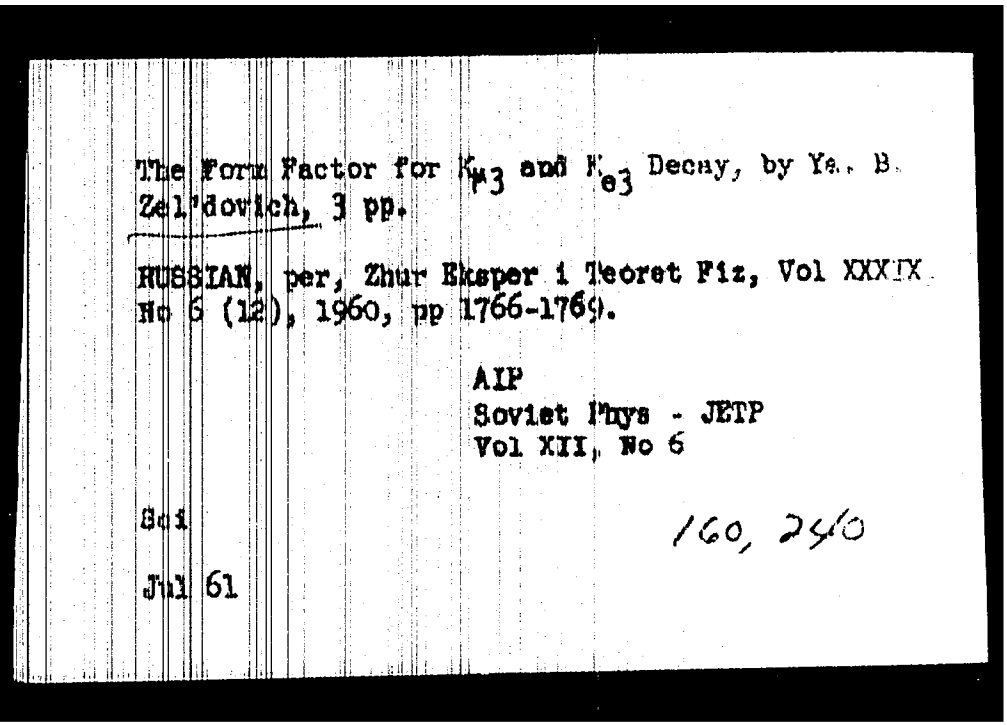
Sol

340, 368

Jul 63

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7



The Form Factor for $K_{\mu 3}$ and K_{e3} Decay, by Ya. B. Zel'dovich, 3 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXXIX No 6 (12), 1960, pp 1766-1769.

AIP
Soviet Phys - JETP
Vol XII, No 6

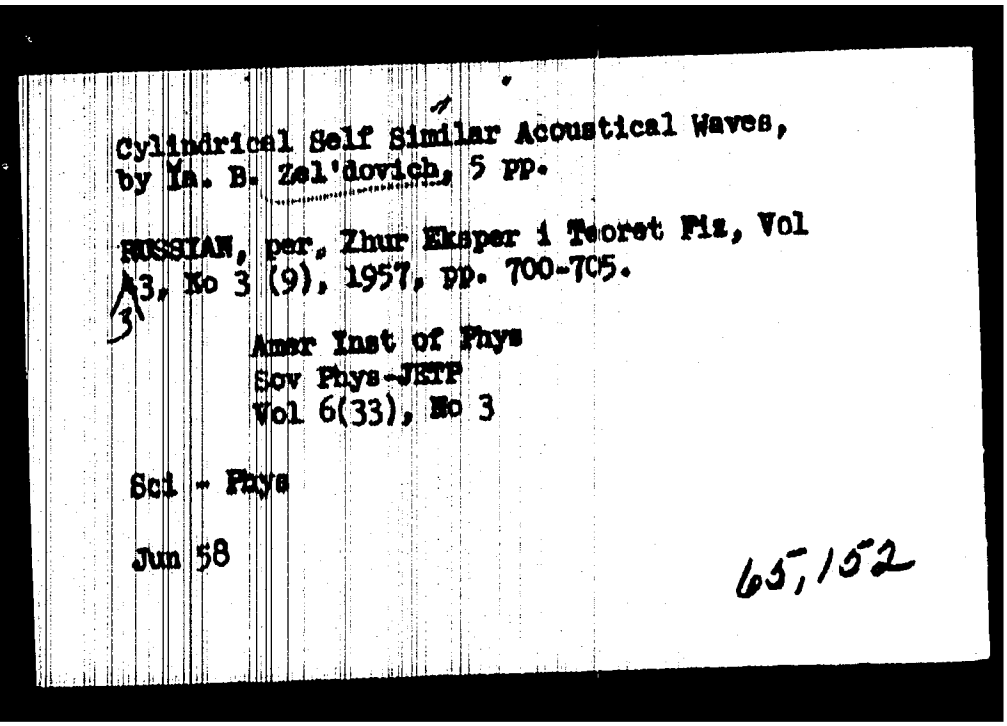
Sci

Jul 61

160, 240

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7



Cylindrical Self Similar Accoustical Waves,
by Ya. B. Zel'dovich, 5 pp.

RUSSIAN, per. Zhur Eksper i Teoret Fiz, Vol
43, No 3 (9), 1957, pp. 700-705.

Amer Inst of Phys
Sov Phys-JETP
Vol 6(33), No 3

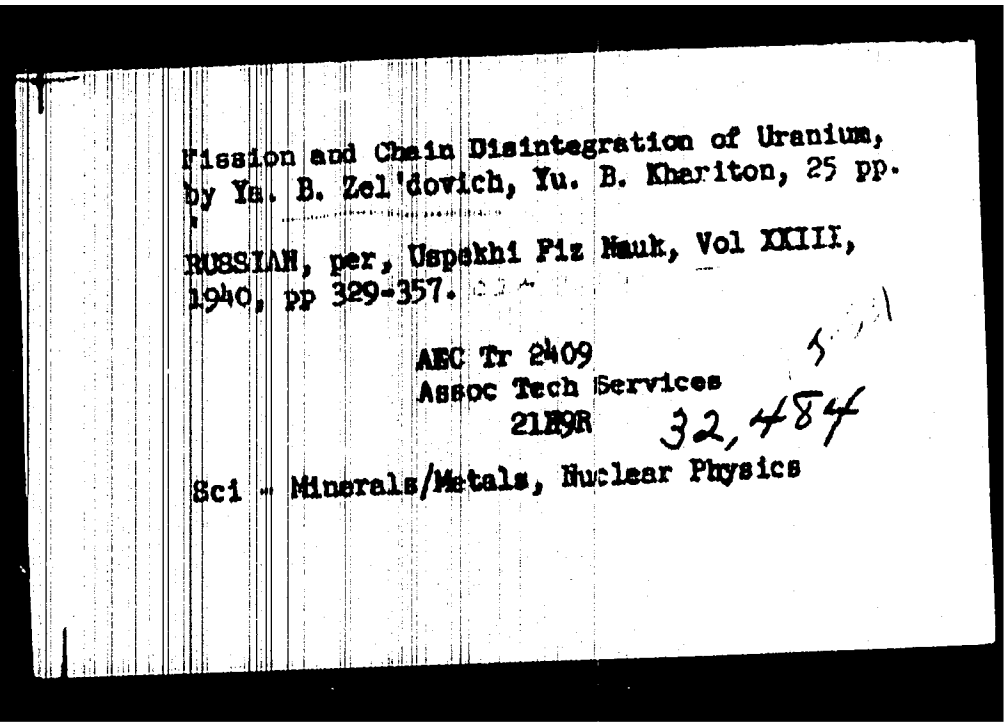
Sci - Phys

Jun 58

65,152

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7



Fission and Chain Disintegration of Uranium,
by Ya. B. Zel'dovich, Yu. B. Khariton, 25 pp.

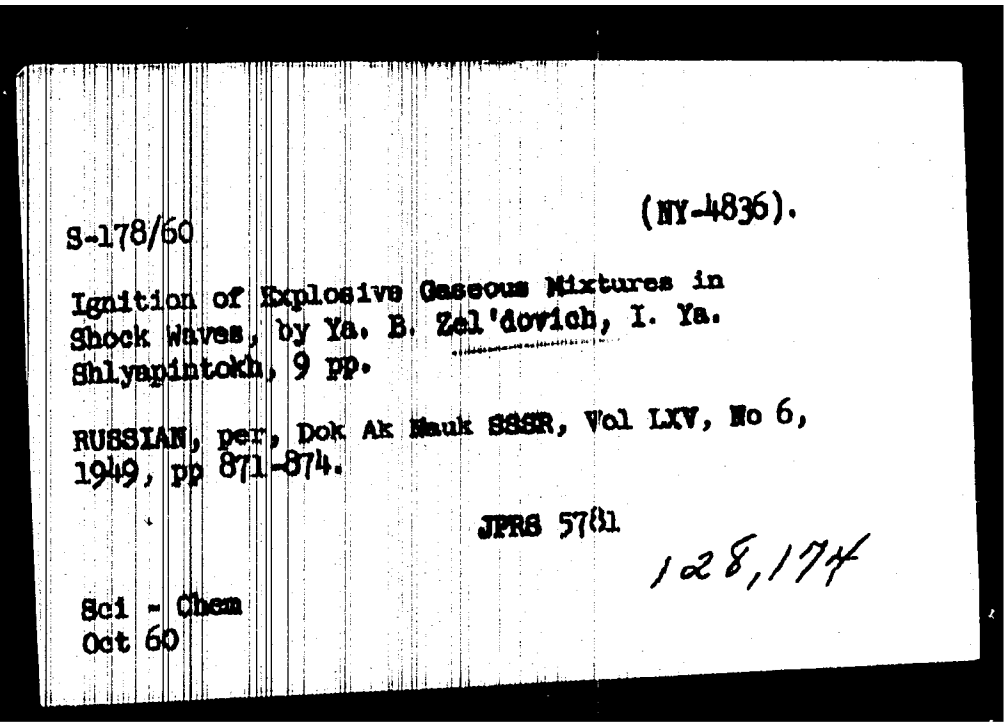
RUSSIAN, per, Uspekhi Fiz Nauk, Vol XXIII,
1940, pp 329-357.

AEC Tr 2409
Assoc Tech Services
21R9R 32,484

Sci - Minerals/Metals, Nuclear Physics

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7



S-178/60 (NY-4836).

Ignition of Explosive Gaseous Mixtures in Shock Waves, by Ya. B. Zel'dovich, I. Ya. Shlyapintokh, 9 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXV, No 6, 1949, pp 871-874.

JPRS 5781

128,174

Sci - Chem
Oct 60

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

178/60 (SF-1048)

Conditions for the Onset of Instability in Normal Combustion, by Ya. B. Zel'dovich, A. I. Rozlovskiy, 7 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LVII, No 4, 1947, pp 365-368.

JPRS 4028

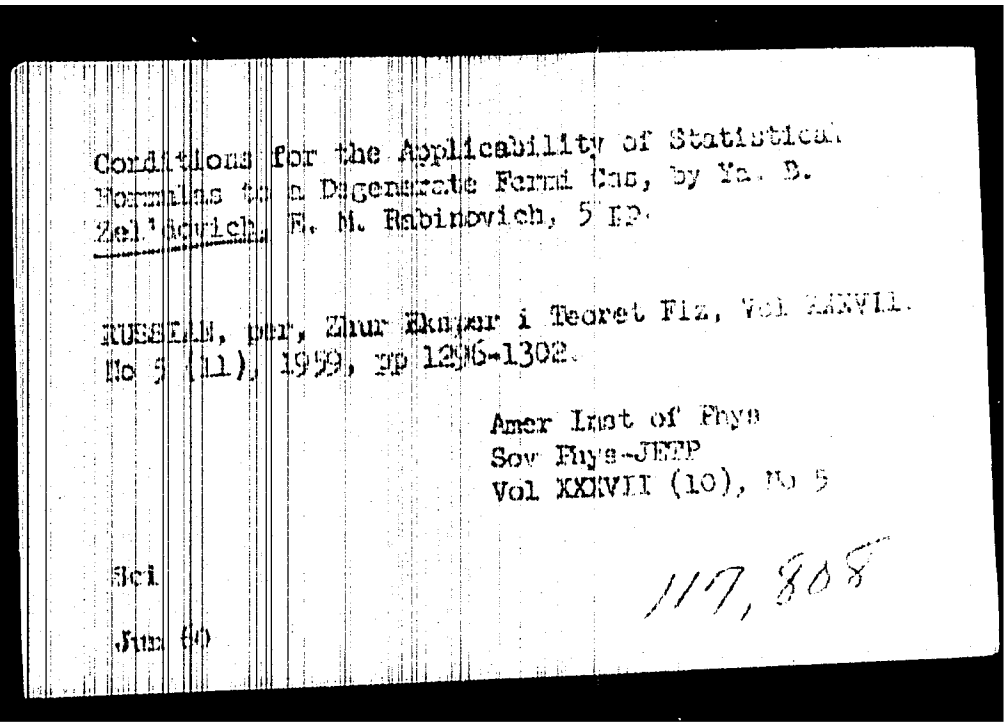
Sci - Chem

Sep 60

125,704

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7



Conditions for the Applicability of Statistical Normality to a Degenerate Fermi Gas, by Ya. B. Zel'dovich, F. M. Rabinovich, 5 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXXVII. No 5 (11), 1959, pp 1296-1302.

Amer Inst of Phys
Sov Phys-JETP
Vol XXXVII (10), No 5

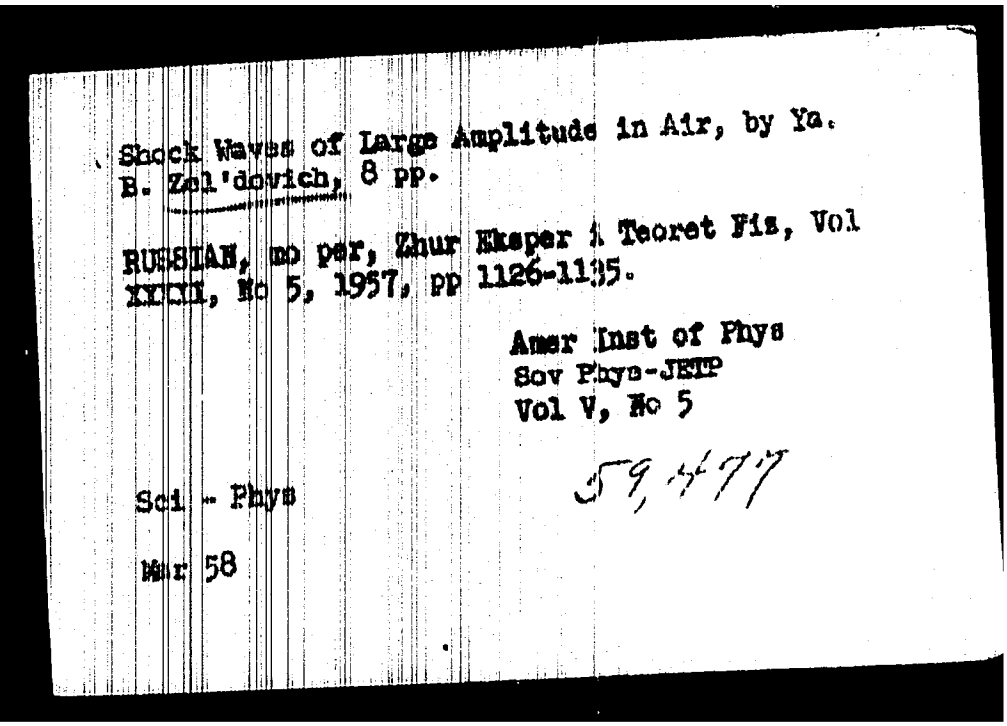
117,808

Sci

Jun 60

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7



Shock Waves of Large Amplitude in Air, by Ya. B. Zel'dovich, 8 pp.

RUSSIAN, no per, Zhur Eksper i Teoret Fiz, Vol XXXII, No 5, 1957, pp 1126-1135.

Amer Inst of Phys
Sov Phys-JETP
Vol V, No 5

59,477

Sci - Phys

Mar 58

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

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US-3
US-4
US-5

Ya. B. ZEL'DOVICH

Storage of cold neutrons

Zhur. Eksptl'. i Teoret. Fiz., 36, 1952-3 (1959)

NP-tr-302. English

Euratom

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

On the Neutrino Charge of Elementary Particles, by Ya. B. Zeldovich, 5pp.

RUSSIAN, thrice-no per, Dok Ak Nauk, Vol XCI, No 6, 1953, p 1317-1320.

NSF Tr 124

Scientific - Physics

CTS/DEX

7317

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

Nucleon Isobars as Intermediate States in Beta-Decay, by Ya. B. Zel'dovich

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXXIX, No 1, 1 Mar 1953, pp 33-36.

Natl Sci Foundation tr 14

Scientific - Nuclear Physics Jul 53 CTS/DEX

5883 4052

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

(NY-4831)

S-178/60

Obtaining of Record-High Temperatures, by Ya. B. Zel'dovich, O. I. Leypunskiy, 5 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XIII, No 5, 1943, pp 181, 182.

JPRS 5823

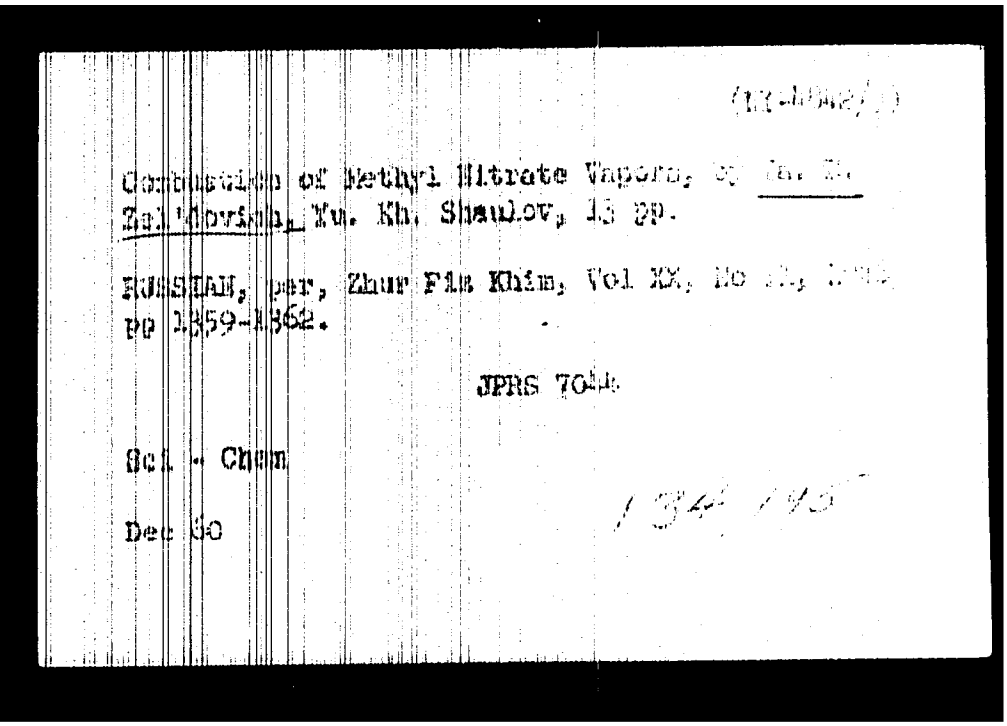
Sci - Chem

Oct 60

129,083

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7



Combustion of Methyl Nitrate Vapors, by [illegible]
Zel'dovich, Yu. Kh. Shaulov, 13 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XX, No [illegible], [illegible]
pp 1359-1362.

JPRS 7044

Sci - Chem

Dec 60

1344 /43

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

S-138/60 (NY-3709).

Investigation of the Density Distribution ρ in the Detonation Front of Gas Mixtures by the X-Ray Examination Method, by M. A. Rivin, Ya. B. Zel'dovich, V. A. Tsukerman, V. V. Sof'ina, A. S. Beregovskiy, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXV, No 6, 1959, pp 1292-1293.

JPRS 2539

114, 712

Sci - Phys
Apr 60

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

Scattering by a Singular Potential in Perturbation Theory and in the Momentum Representation, by Ya. B. Zel'dovich, 4 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXXVIII, No 3, 1960, pp 819-824.

AIP
Sov Phys - JETP
Vol XI, No 3

Sci
Nov 60

132,835

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

The Existence of New Isotopes of Light Nuclei and the Equation of State of Neutrons, by Ya. B. Zel'dovich, 7 pp.

RUSSIAN, per. Zhur Eksper i Teoret Fiz, Vol XXXVIII, No 4, 1960, pp 1123-1131.

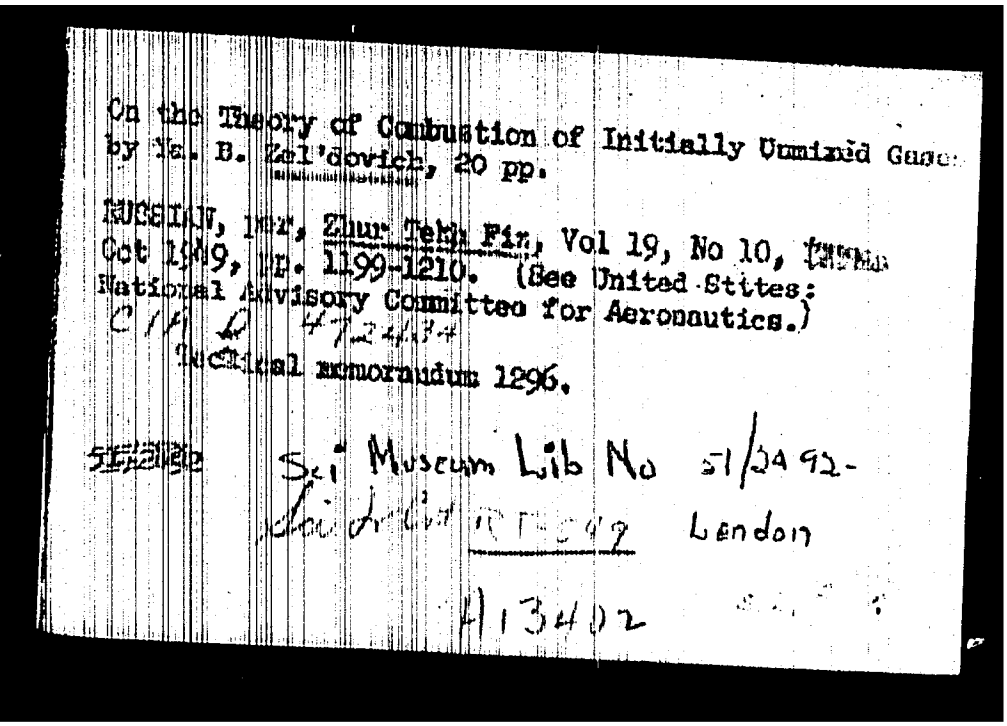
AIP
Sov Phys - JETP
Vol XI, No 4

Sci
Nov 60

13-2, 873

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7



On the Theory of Combustion of Initially Unmixed Gase
by Ya. B. Zel'dovich, 20 pp.

ZHURNAL, Inst, Zhur Tekh Fiz, Vol 19, No 10, [illegible]
Oct 1949, pp. 1199-1210. (See United States:
National Advisory Committee for Aeronautics.)
[illegible]
Technical memorandum 1296.

[illegible] Sci Museum Lib No 51/2492-
[illegible] London
413402

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030021-7